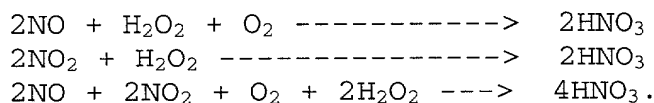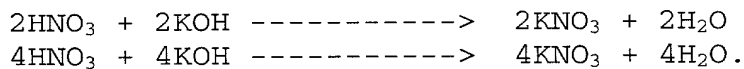WHAT IS CLAIMED IS:

1. A process for reducing NO_x emissions in a gaseous combustion effluent stream containing NO and/or NO_2 comprising:

a) adding hydrogen peroxide to the effluent stream in sufficient amounts to generate nitric acid by first stage reactions as follows:

$$2NO + H_2O_2 + O_2 \longrightarrow 2HNO_3$$
$$2NO_2 + H_2O_2 \longrightarrow 2HNO_3$$
$$2NO + 2NO_2 + O_2 + 2H_2O_2 \longrightarrow 4HNO_3.$$

2. The process of claim 1 and further comprising, after nitric acid is generated, sufficient amounts of potassium hydroxide are added to the effluent stream to generate potassium nitrate in second stage reactions as follows:

$$2HNO_3 + 2KOH \longrightarrow 2KNO_3 + 2H_2O$$
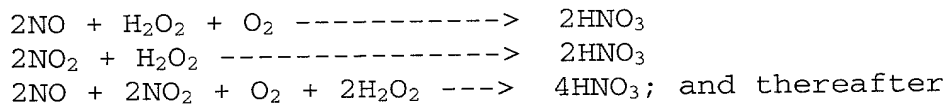$$4HNO_3 + 4KOH \longrightarrow 4KNO_3 + 4H_2O.$$

3. The process of claim 1 wherein the hydrogen peroxide is added in aerosol form.

4. The process of claim 2 wherein the potassium hydroxide is added in particulate form.
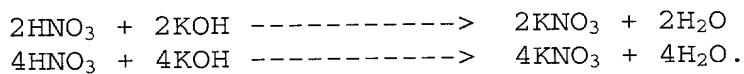
5. The process of claim 1 wherein NO_x emissions are reduced to a level below 40 ppm.

6. A process for reducing NO_x emissions in a gaseous combustion effluent stream containing NO and/or NO_2 comprising the steps of:

a) adding hydrogen peroxide in aerosol form to the effluent stream in sufficient amounts to generate nitric acid by first stage reactions as follows:
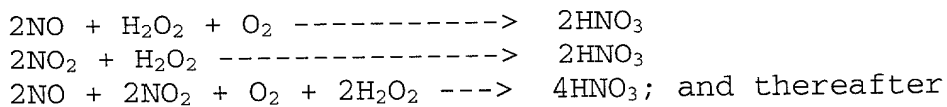
$$2NO + H_2O_2 + O_2 \quad ----------> \quad 2HNO_3$$
$$2NO_2 + H_2O_2 \quad -------------> \quad 2HNO_3$$
$$2NO + 2NO_2 + O_2 + 2H_2O_2 \quad ---> \quad 4HNO_3; \text{ and thereafter}$$

b) adding sufficient potassium hydroxide in particulate form to the stream to generate potassium nitrate in second stage reactions as follows:
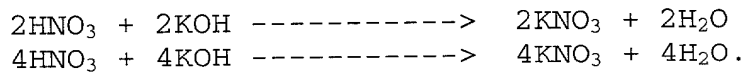
$$2HNO_3 + 2KOH \quad ----------> \quad 2KNO_3 + 2H_2O$$
$$4HNO_3 + 4KOH \quad ----------> \quad 4KNO_3 + 4H_2O.$$

7. The process of claim 6 wherein NO_x emissions are reduced to a level below 40 ppm.

8. A process for reducing NO_x emissions in a gaseous combustion effluent stream from a land-based gas turbine containing NO and/or NO_2 comprising the steps of:

a) adding hydrogen peroxide to the effluent stream in sufficient amounts to generate nitric acid by first stage reactions as follows:

$$2NO + H_2O_2 + O_2 \quad ----------> \quad 2HNO_3$$
$$2NO_2 + H_2O_2 \quad -------------> \quad 2HNO_3$$
$$2NO + 2NO_2 + O_2 + 2H_2O_2 \quad ---> \quad 4HNO_3; \text{ and thereafter}$$

b) adding sufficient potassium hydroxide to the stream to generate potassium nitrate in second stage reactions as follows:

$$2HNO_3 + 2KOH \text{ -----------> } 2KNO_3 + 2H_2O$$
$$4HNO_3 + 4KOH \text{ -----------> } 4KNO_3 + 4H_2O.$$

9. The process of claim 8 wherein the hydrogen peroxide is added in aerosol form.

10. The process of claim 8 wherein the potassium hydroxide is added in particulate form.

11. The process of claim 8 wherein NO_x emissions are reduced to a level below 40 ppm.